## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref# | Hits    | Search Query   | DBs                                      | Default<br>Operator | Plurals             | Time Stamp          |
|------|---------|--|--|---------------------|---------------------|---------------------|
| S97  | 1       | (12/664173).APP.   | US-PGPUB;<br>USPAT; USOCR                | OR                  | OFF                 | 2011/02/07<br>20:05 |
| S96  | 1       | ("5916377").PN.  | US-PGPUB;<br>USPAT; USOCR                | OR                  | OFF                 | 2011/02/07<br>09:10 |
| S95  | 25      | S93 and S94  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR                  | ON                  | 2011/02/04<br>16:19 |
| S94  | 7678    | tantalum near alloy  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR                  | ON                  | 2011/02/04<br>16:18 |
| S93  | 346     | S92 and pattern\$4   |  |                     | 2011/02/04<br>16:18 |                     |
| S92  | 505     | (carbide with tantalum or tac) same semiconductor with substrate | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR                  | ON                  | 2011/02/04<br>16:18 |
| S91  | 2501037 | (carbide with tantalum or tac) same semiconductor substrate      | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR                  | ON                  | 2011/02/04<br>16:18 |
| S90  | 1       | ("7304339").PN.  | US-PGPUB;<br>USPAT; USOCR                | OR                  | OFF                 | 2011/01/31<br>10:52 |
| S89  | 111     | S88 and carbide same2<br>sinter\$4                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR                  | ON                  | 2011/01/31<br>08:43 |
| S88  | 359     | S87 and cut\$4 with tool   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR                  | ON                  | 2011/01/31<br>08:42 |
| S87  | 19420   | nitrogen surface (anneal<br>\$4 or (heat with treat<br>\$4))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | SAME                | ON                  | 2011/01/31<br>08:42 |
| S86  | 1       | S85 and carbide same2<br>sinter\$4                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR                  | ON                  | 2011/01/31<br>08:40 |

| S85 | 13    | S84 and cut\$4 with tool   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | ON  | 2011/01/31<br>08:40 |
|-----|-------|--|---|----|-----|---------------------|
| S84 | 259   | conditioning with layer<br>same (anneal\$4 or (heat<br>with treat\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | ON  | 2011/01/31<br>08:39 |
| S83 | 56    | S81 and carbide same2<br>sinter\$4                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | ON  | 2011/01/31<br>08:38 |
| S82 | 58    | S81 and tic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | ON  | 2011/01/31<br>08:37 |
| S81 | 217   | S80 and cut\$4 with tool   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | ON  | 2011/01/31<br>08:37 |
| S80 | 13122 | condition\$4 with layer<br>same (anneal\$4 or (heat<br>with treat\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | ON  | 2011/01/31<br>08:37 |
| S78 | 3576  | (428/698).CCLS.  | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2011/01/29<br>17:22 |
| S77 | 48    | S75 and substrate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | ON  | 2011/01/29<br>17:20 |
| S76 | 45    | S75 and substrate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | OFF | 2011/01/29<br>17:20 |
| S75 | 103   | S70 and S73  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | OFF | 2011/01/29<br>17:20 |
| S74 | 1202  | ta2c o4 and S73  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | OFF | 2011/01/29<br>17:20 |
| S73 | 80187 | tac or tantalum near4<br>carbide                                       | US-PGPUB;<br>USPAT;<br>USOCR; JPO;<br>DERWENT | OR | OFF | 2011/01/29<br>17:20 |
| S72 | 3     | S69 and (ta2o5 or "ta.<br>sub.2o.sub.5")                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT      | OR | OFF | 2011/01/29<br>17:19 |

| S71  | 1     | S69 and S70                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2011/01/29<br>17:19 |
|------|-------|-------------------------------------|--|----|-----|---------------------|
| S70  | 155   | ta2c or "ta.sub.2c"                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2011/01/29<br>17:19 |
| S69  | 511   | S67 and S68                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2011/01/29<br>17:18 |
| S68  | 79001 | tac or tantalum near4<br>carbide    | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2011/01/29<br>17:18 |
| S67  | 3576  | (428/698).CCLS.                     | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2011/01/29<br>17:18 |
| S66  | 1     | ("7304339").PN.                     | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2011/01/26<br>17:04 |
| S65  | 2     | (("3586303") or<br>("5916377")).PN. | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2011/01/25<br>15:33 |
| S64  | 1     | ("20100284895").PN.                 | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2011/01/25<br>15:29 |
| \$63 | 2     | S62 and semiconductor               | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2010/09/08<br>16:56 |
| S62  | 27    | S61 and tantalum                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2010/09/08<br>16:56 |
| S61  | 144   | (148/278).OCLS.                     | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2010/09/08<br>16:56 |

## **EAST Search History (Interference)**

| Ref # | Hits | Search Query    | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------|------|------------------|---------|------------------|
| S79   | 2    | (428/698).CCLS. | UPAD | OR               | OFF     | 2011/01/29 17:22 |

2/11/2011 3:45:15 PM

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